

We claim:

1. A cord connection device comprising:

a coupling member; and

a receptive member, the receptive member comprised of a body having:

a first section configured to receive the coupling member in a manner to provide a connection such that when a selected force acts on a cord attached to either the coupling member or the receptive member the coupling member will separate from the receptive member; and

a second section configured to receive the coupling member in a manner to provide a connection such that the coupling member will not separate from the receptive member;

the coupling member being connected to one of the sections of the receptive member.

2. The cord connection device of claim 1 wherein the first section of the receptive member is comprised of a planar body, the planar body having a thickness and a bottom edge, and an elongated bead running along the bottom edge of the planar body, the bead having a diameter greater than the thickness of the planar body.

3. The cord connection device of claim 2 wherein the coupling member is comprised of a U-shaped clip sized to fit over the bead in the first section of the receptive member.

4. The cord connection device of claim 1 wherein at least one of the coupling member and the receptive member is made from a material selected from the group consisting of thermoplastics and metals.

5. The cord connection device of claim 4 wherein the coupling member and the receptive member are made of acetal copolymer.

6. The cord connection device of claim 1 wherein the second section of the receptive member is comprised of a punch-out section, such that when the punch-out section is removed, the coupling member can be connected to the second section and while the punch-out section is present the coupling member cannot be connected to the second section.

7. The cord connection device of claim 1 wherein the receptive member is further comprised of a third section configured to receive the coupling member in a manner to provide a connection such that when a second selected force acts on a cord attached to the coupling member the coupling member will separate from the receptive member.

8. The cord connection device of claim 7 wherein:

the coupling member is a U-shaped clip;

the first section of the receptive member is comprised of a planar body, the planar body having a thickness and a bottom edge, and an elongated bead running along the bottom edge of the planar body, the bead having a diameter greater than the thickness of the planar body; and

the third section of the receptive member is comprised of a planar body, the planar body having a thickness and a bottom edge, and an elongated bead running along the bottom edge of the planar body, the bead having a diameter greater than the thickness of the planar body and greater than the diameter of the bead in the first section.

9. The cord connection device of claim 8 wherein the second section of the receptive member is comprised of a punch out section, such that when the punch-out section is removed the coupling member can be connected to the second section and while the punch-out section is present the coupling member cannot be connected to the second section.

10. The cord connection device of claim 7 wherein the selected force is four pounds and the second selected force is ten pounds.

11. A cord connection device comprising:

a coupling member; and

a receptive member, the receptive member comprised of a body having:

a first section configured to receive the coupling member in a manner to provide a connection such that when a first selected force acts on a cord attached to either the coupling member or the receptive member the coupling member will separate from the receptive member; and

a second section configured to receive the coupling member in a manner to provide a connection such that when a second selected force greater than the first selected

force acts on a cord attached to the coupling member the coupling member will separate from the receptive member;  
the coupling member being connected to one of the sections of the receptive member.

12. The cord connection device of claim 11 wherein:

the coupling member is a U-shaped clip;

the first section of the receptive member is comprised of a planar body, the planar body having a thickness and a bottom edge, and an elongated bead running along the bottom edge of the planar body, the bead having a diameter greater than the thickness of the planar body; and

the second section of the receptive member is comprised of a planar body, the planar body having a thickness and a bottom edge, and an elongated bead running along the bottom edge of the planar body, the bead having a diameter greater than the thickness of the planar body and greater than the diameter of the bead in the first section.

13. The cord connection device of claim 11 wherein at least one of the coupling member and the receptive member is made from a material selected from the group thermoplastics and metals.

14. The cord connection device of claim 13 wherein the coupling member and the receptive member are made of acetal copolymer.

15. A roll-up shade comprising:

a headrail;

a panel of window covering material having a width, a top edge attached to the headrail and a bottom edge;

a plurality of looped cords each cord having a first end and each cord extending from the first end down one side of the panel of window covering material, around the bottom edge and up an opposite side of the panel of window covering material and into the headrail such that movement of the cords into the headrail will cause the panel of window covering material to roll up and movement of the cords out of the headrail will cause the window covering material to unroll, the looped cords spaced apart from one another; and

a cord connection device for each looped cord, each cord connection device comprising a coupling member to which one of the first end of the looped cord and the headrail is attached and a receptive member, the receptive member attached to the other of the headrail and the first end of the looped cord, the receptive member comprised of a body having:

a first section configured to receive the coupling member in a manner to provide a connection such that when a selected force acts on the looped cord the coupling member will separate from the receptive member; and

a second section configured to receive the coupling member in a manner to provide a connection such that the coupling member will not separate from the receptive member;

the coupling member being connected to one of the sections of the receptive member.

16. The roll-up shade of claim 15 wherein the first section of the receptive member is comprised of a planar body, the planar body having a thickness and a bottom edge, and an elongated bead running along the bottom edge of the planar body, the bead having a diameter greater than the thickness of the planar body.

17. The roll-up shade of claim 16 wherein the coupling member is comprised of a U-shaped clip sized to fit over the bead in the first section of the receptive member.

18. The roll-up shade of claim 15 wherein at least one of the coupling member and the receptive member is made from a material selected from the group consisting of thermoplastics and metals.

19. The roll-up shade of claim 18 wherein the coupling member and the receptive member are made of acetal copolymer.

20. The roll-up shade of claim 15 wherein the second section of the receptive member is comprised of a punch-out section, such that when the punch-out section is removed, the coupling member can be connected to the second section and while the punch-out section is present the coupling member cannot be connected to the second section.

21. The roll-up shade of claim 15 wherein the receptive member is further comprised of a third section configured to receive the coupling member in a manner to provide a connection

such that when a second selected force acts on a cord attached to the coupling member the coupling member will separate from the receptive member.

22. The roll-up shade of claim 21 wherein:

the coupling member is a U-shaped clip;

the first section of the receptive member is comprised of a planar body, the planar body having a thickness and a bottom edge, and an elongated bead running along the bottom edge of the planar body, the bead having a diameter greater than the thickness of the planar body; and

the third section of the receptive member is comprised of a planar body, the planar body having a thickness and a bottom edge, and an elongated bead running along the bottom edge of the planar body, the bead having a diameter greater than the thickness of the planar body and greater than the diameter of the bead in the first section.

23. The roll-up shade of claim 22 wherein the second section of the receptive member is comprised of a punch-out section, such that when the punch-out section is removed the coupling member can be connected to the second section and while the punch-out section is present the coupling member cannot be connected to the second section.

24. The roll-up shade of claim 21 wherein the selected force is four pounds and the second selected force is ten pounds.

25. A roll-up shade comprising:

a headrail;

a panel of window covering material having a width, a top edge attached to the headrail and a bottom edge;

a plurality of looped cords, each cord having a first end and each cord extending from the first end down one side of the panel of window covering material, around the bottom edge and up an opposite side of the panel of window covering material and into the headrail such that movement of the cords into the headrail will cause the panel of window covering material to roll up and movement of the cords out of the headrail will cause the window covering material to unroll, the looped cords spaced apart from one another; and

a cord connection device for each looped cord, each cord connection device comprising a coupling member to which either the first end of the looped cord or the headrail is attached; and a receptive member, the receptive member attached to the other of the headrail and the first end of the looped cord, the receptive member comprised of a body having:

a first section configured to receive the coupling member in a manner to provide a connection such that when a first selected force acts on the looped cord the coupling member will separate from the receptive member; and

a second section configured to receive the coupling member in a manner to provide a connection such that when a second selected force greater than the first selected force acts on the looped cord the coupling member will separate from the receptive member;

the coupling member being connected to one of the sections of the receptive member.



26. The roll-up shade of claim 25 wherein:

the coupling member is a U-shaped clip;

the first section of the receptive member is comprised of a planar body, the planar body having a thickness and a bottom edge, and an elongated bead running along the bottom edge of the planar body, the bead having a diameter greater than the thickness of the planar body; and

the second section of the receptive member is comprised of a planar body, the planar body having a thickness and a bottom edge, and an elongated bead running along the bottom edge of the planar body, the bead having a diameter greater than the thickness of the planar body and greater than the diameter of the bead in the first section.

27. A roll-up shade comprising:

a headrail;

a panel of window covering material having a width, a top edge attached to the headrail and a bottom edge;

a plurality of looped cords, each cord having a first end and each cord extending from the first end down one side of the panel of window covering material, around the bottom edge and up an opposite side of the panel of window covering material and into the headrail such that movement of the cords into the headrail will cause the panel of window covering material to roll up and movement of the cords out of the headrail will cause the window covering material to unroll, the looped cords spaced apart from one another; and

a cord connection device for each looped cord, each cord connection device comprising:

a receptive member attached to either the headrail or the first end of the looped cord and comprised of a body having a planar body, the planar body having a thickness and a bottom edge, and an elongated bead running along the bottom edge of the planar body, the bead having a diameter greater than the thickness of the planar body; and

a coupling member to attached to the other of the first end of the looped cord and the headrail, the coupling member having a U-shaped portion fitted over the bead and configured so that the coupling member will be connected to the receptive member until a selected force acts on the looped cord causing the coupling member and the receptive member to separate from one another.

28. The roll-up shade of claim 27 wherein at least one of the coupling member and the receptive member is made form a material selected from the group consisting of thermoplastics and metals.

29. The roll-up shade of claim 28 wherein the coupling member and the receptive member are made of acetal copolymer.